

NAME OF DOCUMENT: Scope of Claims

Claim 1. An electric junction box in which a plurality of printed boards stepwise disposed is accommodated inside an upper case and a printed board

5 holding case, with said printed boards spaced at intervals; a periphery of an upper-position printed board is projected beyond a periphery of a lower-position printed board; electric conductors are arranged side by side on a peripheral portion projected from said lower-position

10 printed board; and terminal holes each having a conductive layer, connected with one of said electric conductors, formed on an inner peripheral surface thereof are arranged side by side on said peripheral portion projected from said lower-position printed board,

15 a peripheral wall of said printed board holding case is formed stepwise in conformity to a stepwise disposition of a plurality of said printed boards; and insertion through-holes through which press fit terminals are inserted respectively are formed side by side on each horizontal

20 stepped part;

each of said press fit terminals is formed by bending a rod-shaped material made of conductive metal and has a long first vertical part, a horizontal part bent at a lower end of said first vertical part, and a short second vertical

25 part bent upward at a leading end of said horizontal part;

and

a plurality of said press fit terminals is disposed along said peripheries of said printed boards; said horizontal parts of said press fit terminals are disposed
5 along a lower surface of each of said horizontal stepped parts of said printed board holding case, and said second vertical part of each of said press fit terminals is inserted through an insertion through-hole of each of said horizontal stepped parts and pressed into each of said
10 terminal holes of said lower-position printed boards to thereby electrically bring said second vertical part into contact with said conductive layer; and said first vertical part of each of said press fit terminals is disposed along a vertical outer surface of a stepwise part of said printed
15 board holding case, and an upper portion of said first vertical part is pressed into one of said terminal holes of said upper-position printed board to thereby electrically bring said first vertical part into contact with said conductive layer.

20 Claim 2. The electric junction box according to claim 1, wherein the number of said printed boards is two or more; and electric conductors of adjacent upper and lower printed boards or electric conductors of upper and lower printed boards sandwiching an intermediately positioned
25 printed board therebetween are connected to each other with

said press fit terminals.

Claim 3. The electric junction box according to claim 1 or 2, wherein a lower case is placed on said printed board holding case in such a way that the lower case covers
5 the printed board holding case; a supporting part supporting a horizontal stepped part of said printed board holding case from below is projected from said lower case; and said supporting part supports a horizontal part of said press fit terminal disposed along a lower surface of said horizontal
10 stepped part.

Claim 4. The method of assembling an electric junction box according to claim 3, comprising the steps of inserting a second vertical part of a press fit terminal into an insertion through-hole of a lower-position
15 horizontal stepped part of a printed board holding case from a periphery of said printed board holding case; inserting a first vertical part of said press fit terminal into an insertion through-hole of an upper-position horizontal stepped part of said printed board holding case;
20 accommodating a plurality of said printed boards inside said printed board holding case by supporting peripheral portions of said printed boards with said horizontal stepped parts of said printed board holding case; pressing said second vertical part of said press fit terminal into a terminal
25 hole of a lower-position printed board; pressing an upper

portion of said first vertical part into a terminal hole of
an upper-position printed board; connecting electric
conductors of said printed boards disposed by said press fit
terminal; thereafter placing an upper case in which
5 connector accommodation parts, fuse accommodation parts
or/and relay accommodation parts are formed on said printed
board holding case and connecting said upper case to said
printed board holding case; and placing a lower case on said
printed board holding case and connecting said lower case to
10 said upper case.